

CLAIMS

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Russell 1,126
~~31.~~ ⁵¹31. (Cancelled)

~~32.~~ ⁵¹32. (New) A method for interacting with an information repository, the repository storing objects in an object space, a user accessing the object space through a network interface application, the method comprising:

executing a personalized relevance interface application within the network interface application, the personalized relevance interface application adaptively maintaining a collection of content pointers accessible by the network interface application, each content pointer corresponding to an object within the object space, the collection of content pointers organized as a grouping of sets of indicia;
generating a subject keyword;
retrieving from the object space with the network interface application objects relevant to the subject keyword; and
organizing and displaying the retrieved objects with the personalized relevance interface application in accordance with a relevance context associated with at least one user.

~~33.~~ ⁵²33. (New) The method according to claim ~~32~~ ⁵¹, further comprising:
maintaining a historical record of object interaction by a user;
enabling storage or selection of preferred objects by a user; and
wherein the relevance context of the at least one user is derived at least in part from the preferred objects selected by the user as indicated in the historical record.

~~34.~~ ⁵³34. (New) The method according to claim ~~32~~ ⁵¹, wherein the network interface application comprises a network browser application configured to display content defining an object, the personalized relevance interface application automatically generating the subject keyword from the content of a displayed object.

~~35.~~ ⁵⁴35. (New) The method according to claim ~~32~~ ⁵¹, wherein the network interface application comprises a network browser application configured to display content defining an object, the personalized relevance interface application automatically generating the subject keyword in response to a user input of one or more keywords.

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~~36.~~ (New) The method according to claim ~~32~~⁵¹, wherein organizing and displaying the retrieved objects comprises evaluating a historical record of user behavior with respect to the displayed objects.

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~~37.~~ (New) The method according to claim ~~36~~⁵⁵, wherein the user behavior is selected from the group consisting of a user dwell time at a particular object, a number of repeat visits to a particular object, and a number of purchases made from a particular Web site.

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~~38.~~ (New) The method according to claim ~~36~~⁵⁵, further comprising:
the personalized relevance interface application establishing a catalog of relevant object collections based upon the historical record of user behavior; and
the personalized relevance interface application automatically populating the catalog with relevant object collections based upon the historical record of user behavior.

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~~39.~~ (New) The method according to claim ~~38~~⁵⁷, wherein the catalog comprises a listing of object space domains.

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~~40.~~ (New) A method for interacting with an information repository, the repository storing objects in an object space, a user accessing the object space through a network interface application, the method comprising:

executing a personalized relevance interface application within the network interface application, the personalized relevance interface application adaptively maintaining a collection of content pointers accessible by the network interface application, each content pointer corresponding to an object within the object space, the collection of content pointers organized as a grouping of sets of indicia;
accessing a particular object within the object space with the network interface application;
receiving a request for a relevance search for the accessed object;
evaluating with the personalized relevance interface application a content indicia of the particular object accessed and automatically retrieving an additional set of objects from the object space, each retrieved object associated with the content indicia; and

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organizing and displaying the additional set of objects with the personalized relevance interface application in accordance with a relevance context derived from the collection of content pointers.

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~~41~~. (New) The method according to claim ~~40~~⁵⁹, wherein evaluating a content indicia further comprises:

reading content from a network domain; and
ordering the read content so as to establish a keyword context collection defining the content indicia evaluated by the personalized relevant interface application.

⁶¹
~~42~~. (New) The method according to claim ~~40~~⁵⁹, further comprising the personalized relevant interface application:

searching the indicia groupings of the collection of content pointers;
comparing each grouping indicia to the keyword context collection;
assigning an index to each grouping indicia that matches a keyword context from the keyword context collection; and
accessing pages of a network domain in accordance with the assigned index, the accessed pages having content corresponding to a keyword context matching a grouping indicia of the collection of content pointers.

⁶²
~~43~~. (New) The method according to claim ~~42~~⁶¹, wherein the network domain comprises an electronic commerce site, the site further including a plurality of content pages organized in accordance with a product hierarchy and, wherein the collection of content pointers comprises a hierarchical organization of user defined recommended content sites, the personalized relevance interface application extracting particular ones of content pages from an accessed domain in accordance with a relevance model based upon a user's hierarchical organization of recommended content sites.

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~~44~~. (New) The method according to claim ~~43~~⁶² further comprising displaying only those content pages which are extracted in accordance with the relevance model.

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~~45~~. (New) A method for interacting with an information repository, the repository storing object in an object space, a user accessing the object space through a network interface application, the method comprising:

executing a personalized relevance interface application within the network interface application, the personalized relevance interface application adaptively maintaining a collection of content pointers accessible by the network interface application, each content pointer corresponding to an object within the object space, the collection of content pointers organized as a grouping of sets of indicia;
enabling a user to browse through a plurality of objects within the object space using the personalized relevance interface application;
enabling the user to access particular ones of the objects; and
assigning with the personalized relevance interface application each such accessed object to a position within the context relevant hierarchy.

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~~46~~. (New) The method according to claim ~~45~~^{*64*}, further comprising:
evaluating a content indicia of each object accessed; and
displaying with the personalized relevance interface application the context relevant hierarchy to the user in accordance with a ranking order determined by a user profile associated with the user

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~~47~~. (New) The method according to claim ~~46~~^{*65*}, wherein the user profile comprises a relevance model, the relevance model adaptively redefining the context relevant hierarchy in accordance with objects accessed by a user.

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~~48~~. (New) The method according to claim ~~47~~^{*64*}, wherein the information repository comprises object information from a plurality of network domains, each including a plurality of content pages organized in accordance with a product hierarchy and, wherein the collection of content pointers comprises a hierarchical organization of user defined recommended content sites, the personalized relevance interface application assigning particular ones of content pages from an accessed domain to the collection of content pointers in accordance with a user's hierarchical organization of recommended content sites.

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~~49~~. (New) The method according to claim ~~47~~⁶⁶, the relevance model adaptively redefining the context relevant hierarchy in accordance with a user's browsing interaction metric.

~~50~~⁶⁹. (New) The method according to claim ~~49~~⁶⁸, wherein the user's browsing interaction metric is selected from the group consisting of a user dwell time at a particular page, a number of repeat visits to a particular page, a time of day at which a user visits a page, a time of year, a system type used to access a page, and a number of purchases made from a particular domain.

~~51~~⁷⁰. (New) A method for interacting with an information repository, the repository storing objects in an object space, a user accessing the object space through a network interface application, the method comprising the steps of:

executing a personalized relevance interface application within the network interface application, the personalized relevance interface application adaptively maintaining a collection of content pointers accessible by the network interface application, each content pointer corresponding to an object within the object space, the collection of content pointers organized as a grouping of sets of indicia;
establishing with the personalized relevance interface application a context relevant organization, the context relevant organization structured to contain a set of objects, the objects categorized in accordance with a user defined relevance metric;
enabling a user to browse through a plurality of objects within the object space using the personalized relevance interface application;
enabling the user to access particular ones of the objects; and
evaluating with the personalized relevance interface application a content indicia of each object accessed;
assigning with the personalized relevance interface application each such accessed object to a position within the context relevant organization; and
adaptively arranging with the personalized relevance interface application the position of accessed objects in the context relevant organization in accordance with a user's browsing interaction behavior metric describing user behavior.

~~52~~⁷¹. (New) The method according to claim ~~51~~⁷⁰, wherein the collection of content pointers is adaptively defined in accordance with the context relevant organization.

⁷²
~~53.~~ (New) The method according to claim ~~51~~⁷⁰, wherein the information repository comprises a object information from a plurality of network domains, at least one domain including a plurality of content pages organized in accordance with a product hierarchy and, wherein the context relevant organization comprises a hierarchical organization of user defined recommended content sites, the personalized relevance interface application assigning particular ones of accessed objects to the collection of content pointers.

⁷³
~~54.~~ (New) The method according to claim ~~53~~⁷², further comprising:
generating at least one subject keyword;
searching the plurality of network domains with the network interface application, in accordance with the at least one subject keyword;
retrieving content page pointers from the network domains, each retrieved content page pointer associated with the at least one subject keyword; and
organizing and displaying the retrieved content page pointers using the personalized relevance interface application in accordance with a relevance context derived from the context relevant organization.

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~~55.~~ (New) The method according to claim ~~54~~⁷³, wherein the network interface application comprises an Internet browser application configured to display content defining an object, the personalized relevance interface application automatically generating the at least one subject keyword from the content of a displayed object.

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~~56.~~ (New) The method according to claim ~~51~~⁷⁰, further comprising:
maintaining a record of browsing interaction behavior metrics by a user;
enabling storage or selection of preferred objects by a user; and
deriving the relevance context from the record of browsing interaction behavior metrics.

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~~57.~~ (New) The method according to claim ~~56~~⁷⁵, wherein maintaining a record of browsing interaction behavior metrics further comprises analyzing user behavior with respect to displayed objects, and deriving the relevance context from the user behavior.

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~~58.~~ (New) The method according to claim ~~57~~⁷⁶, wherein the user behavior is selected from the group consisting of a user dwell time at a particular object, a number of repeat visits to a

particular object, a time of day, a time of year, a system used to access an object, and a number of purchases made from a particular Web domain.